

ABSTRACT OF THE DISCLOSURE

A printed-on-display (POD) antenna is mounted on a wireless mobile personal terminal. The POD antenna is formed of conductive transparent material such as indium oxide doped with tin oxide (ITO). The POD antenna is printed on a glass substrate of display of the personal terminal by physical vapor deposition (PVD) or chemical etching. Pattern of the POD antenna is configured to have a radiation pattern the same as a conventional monopole antenna and an omni-directional characteristics. Hence, the POD antenna may be embedded, resulting in an elimination of drawbacks of conventional exposed antenna such as liable to damage, complex in assembly, and high in cost.